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## **EUROPEAN PATENT APPLICATION**

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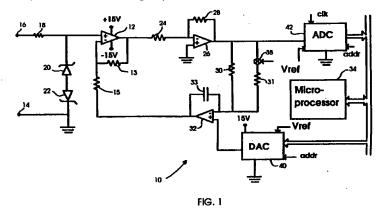
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## (54) Method and apparatus for phase related cardiac defibrillation

(57) An implantable cardioverter/defibrillator and method for its use are disclosed. A sensing electrode (14, 16) provides an ECG signal to the defibrillator, this signal is amplified (12, 26) and evaluated for the presence of a tachyarrhythmia. The phase of the ECG signal is sensed during a detected fibrillation or tachycardia and this determines the phase of the stimulating output

signals. The ECG may be continously sensed during the application of the defibrillating output and each output is held constant until a threshold crossing of the ECG is detected, whereupon the defibrillating output is changed





## PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 94 11 2555 shall be considered, for the purposes of subsequent proceedings, as the European search report

		DERED TO BE RELEVA	<del></del>	
Category	Citation of document with i of relevant ps	ndication, where appropriate, ssages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL6)
A	US 4 998 531 A (CAR	DIAC PACEMAKERS, INC.)	1-7, 12-14, 17-21	A61N1/39
	* the whole documer	it *		
A	US 4 967 747 A (VEN	TRITEX, INC.)	1,2,5-7, 9,10,13, 14,16, 20,21	
	* the whole documer	it *		
A,P	EP 0 589 251 A (CAR	DIAC PACEMAKERS, INC.)	1,3,7,8, 13,15, 18-20	
	* column 4, line 5	- column 9, line 30 *	10 20	
i				
				TECHNICAL FIELDS SEARCHED (Int.Cl.6)
				A61N
INCOMPLETE SEARCH  The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims.  Claims searched completely:				
Claims se	laims searched incompletely :			
Claims n	ot searched :			
Reason fr	or the limitation of the search:			
see	sheet C			
-	Place of search  THE HAGUE  Data of completion of the search  3 April 1997		l en	Examiner Dercier, D
X : par Y : par doc	CATEGORY OF CITED DOCUMENTS  T: theory or principle underlying the E: earlier patent document, but publication and the filling date of the same category  chanlogical background  T: theory or principle underlying the E: earlier patent document, but publication after the filling date.  D: document cited in the application.  L: document dited for other reasons.			e invention dished on, or
A : 100				



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EP 94 11 2555 - C -

## **INCOMPLETE SEARCH**

The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims.

Claims searched completely:

1-21

Claims searched incompletely:

Claims not searched:

22-27

Reason for the limitation of the search: Method for treatment of the human or animal body by surgery or therapy (see Art. 52(4) of the European Patent Convention).

**EPO Form** 

Supplementary Sheet C (1996)

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